



San Jacinto River Waste Pits Superfund Site TCRA and RI/FS Update

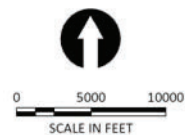
Presented by
David Keith

February 23, 2011

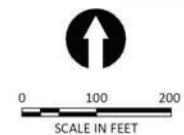
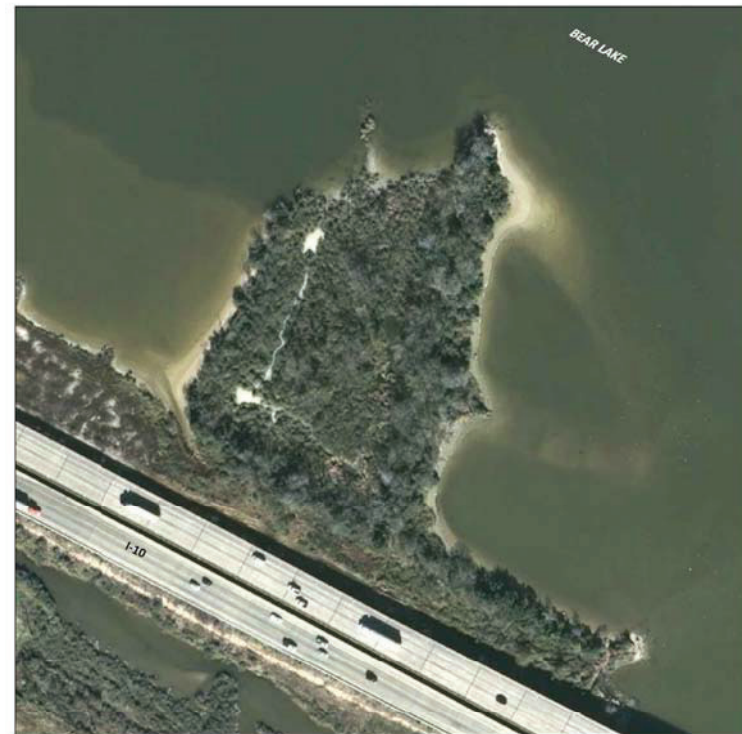


Location

VICINITY MAP



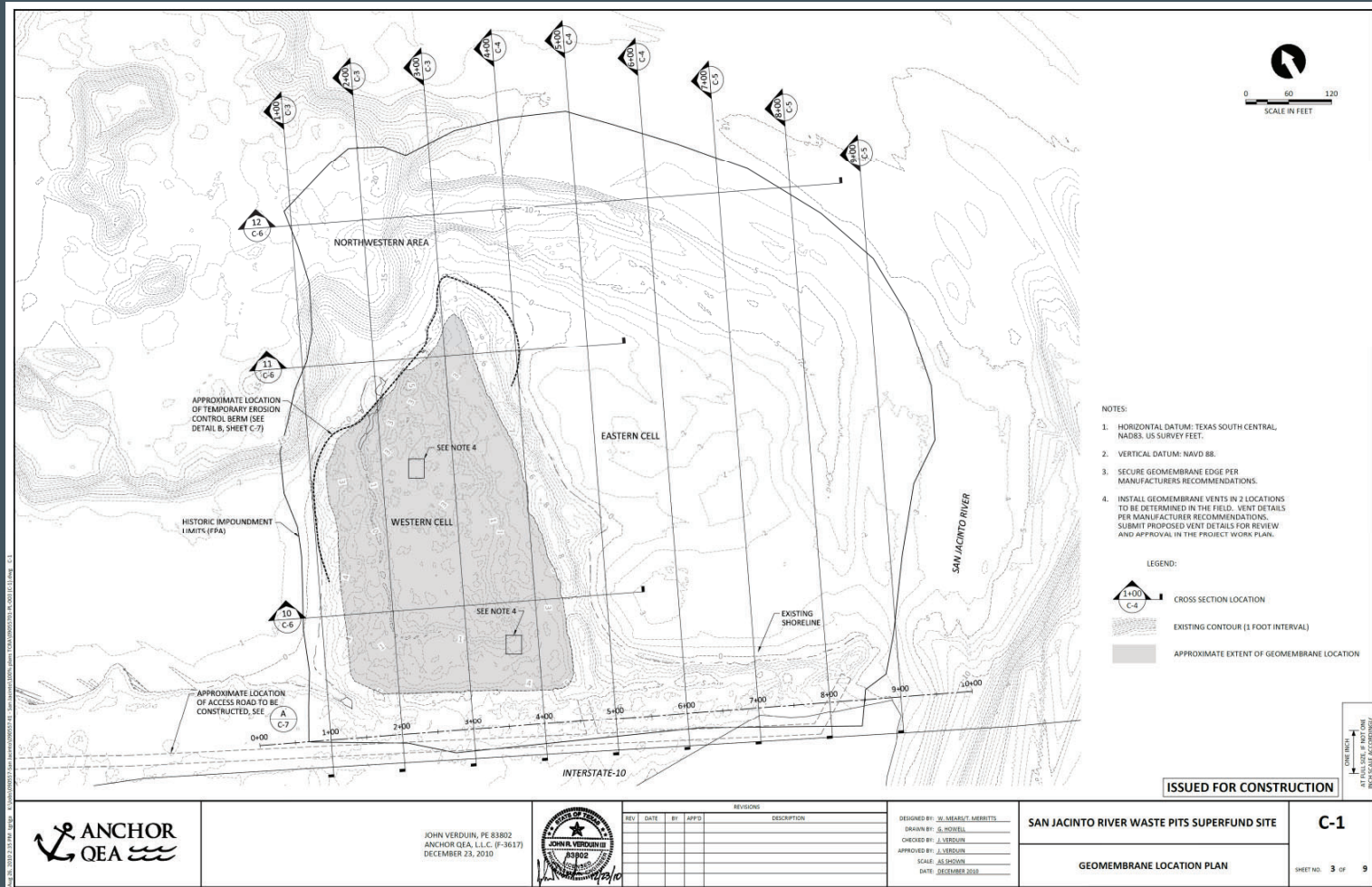
SITE MAP



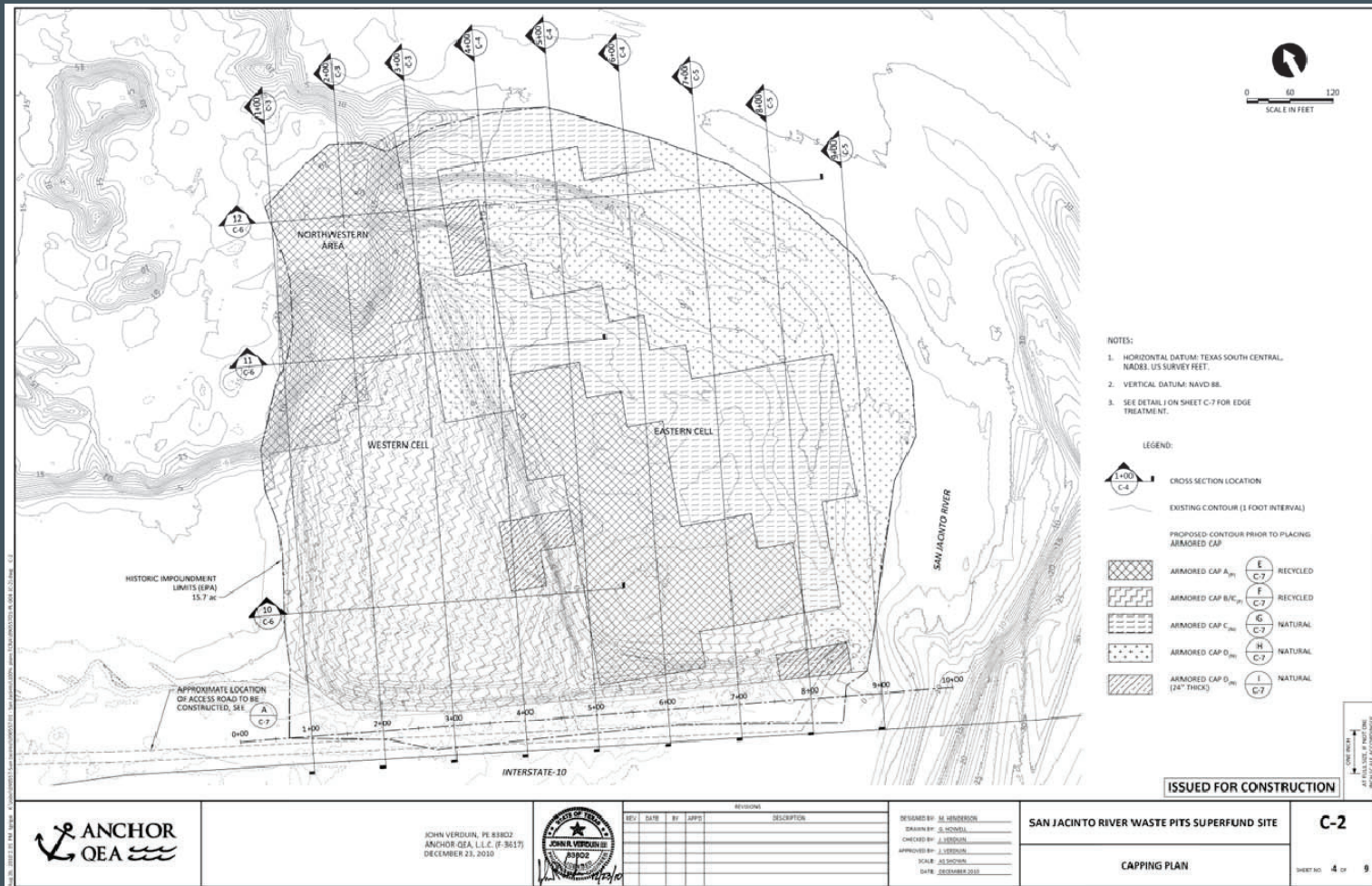
Location Map – Stockpiling and Administration Areas



Construction Plans- Geomembrane Placement



Construction Plans - Armor Cap Areas



Activities to Date

- Installed the 2nd phase fencing in the TxDOT right-of-way and around the Big Star property
- Installed the signs and buoys at the impoundments
- Cleared and grubbed the central berm of the waste impoundments

Activities to Date (continued)

- Entered into an access agreement with TxDOT
- Entered into a lease on the LaBarge property for material stockpiling and transloading by truck and barge
- Entered into a lease on the Market Street property for locating a construction administration area
- Submitted to EPA cultural resource documentation
- Submitted to EPA 401 and 404(b)(1) documentation

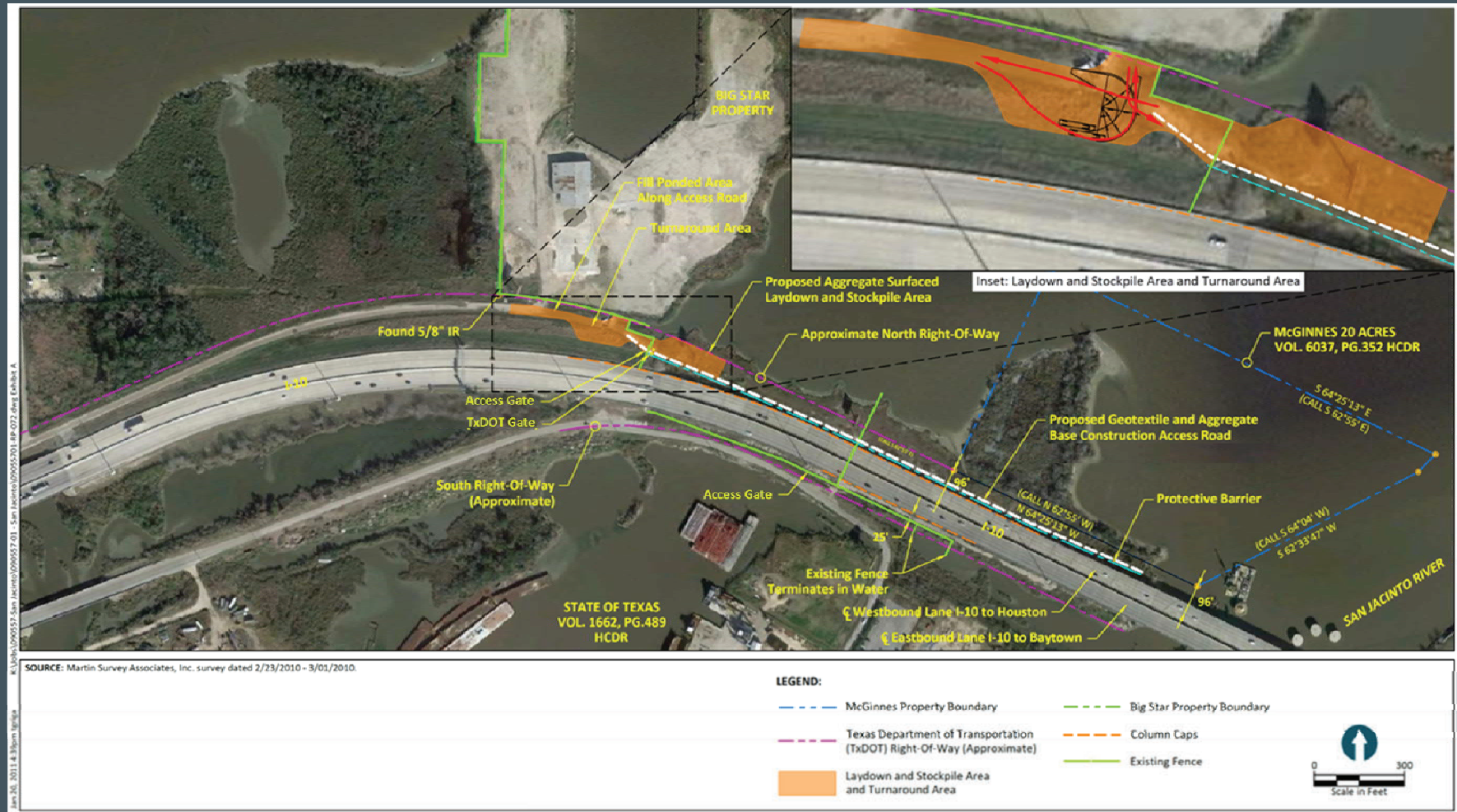
Activities to Date (continued)

- Submitted to EPA a flood level analysis and documentation
- Completed contractor Health and Safety Plan, Construction Work Plan, Environmental Protection Plan, and the Storm Water Pollution Prevention Plan
- Participating in community outreach meetings

Activities to Date (continued)

- Constructing access road in TxDOT ROW
- Making improvements to administrative area
- Stockpiling materials at LaBarge Facility
- Conducting pre-construction surveying
- Placing geotextile and cap in eastern cell

Site Fencing and Access



Site Fencing

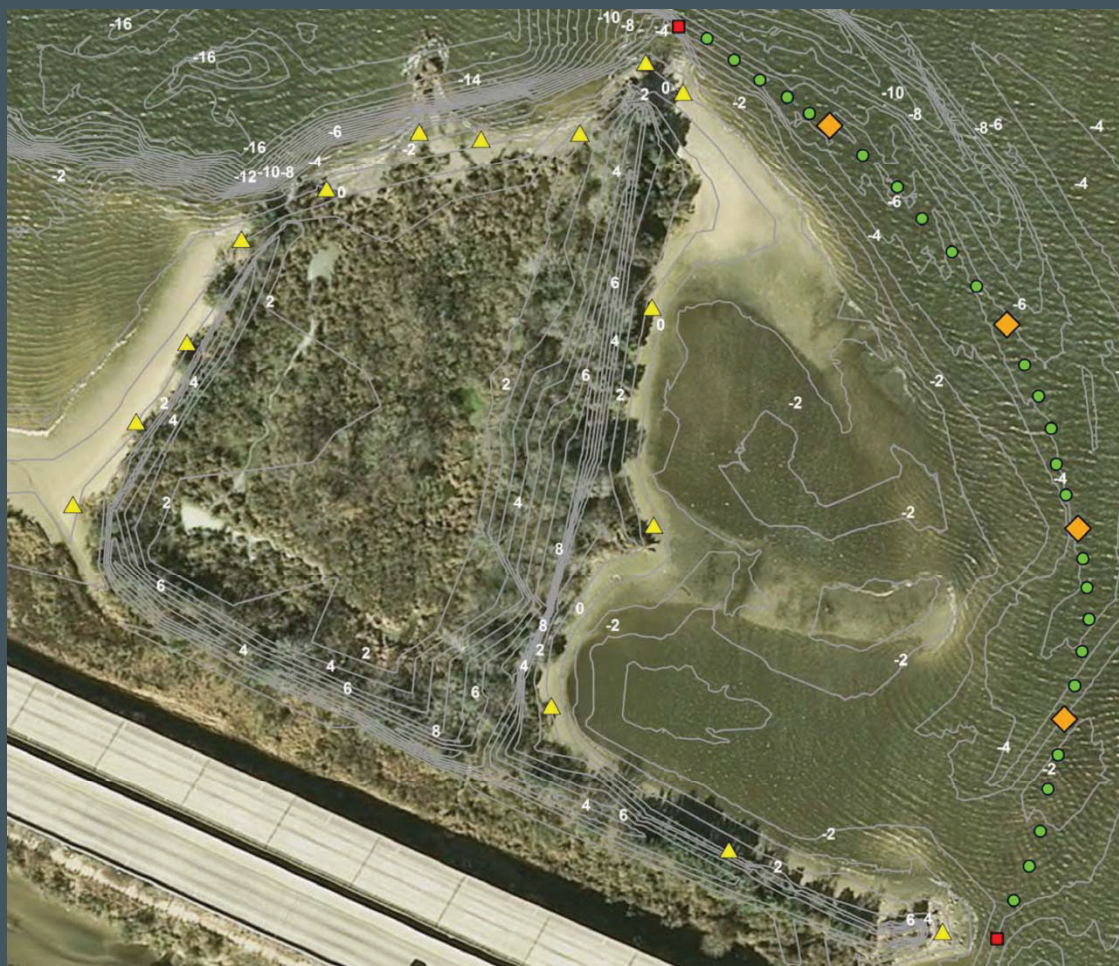
Completed Fence
Installation South of I-10



Southwest Corner of Big Star
Property Fence Installation



Buoys and Signs



Buoys and Signs

Ball and Regulatory Buoy Installation



Trilingual Public Notice Signs Placed on the Western Peninsula

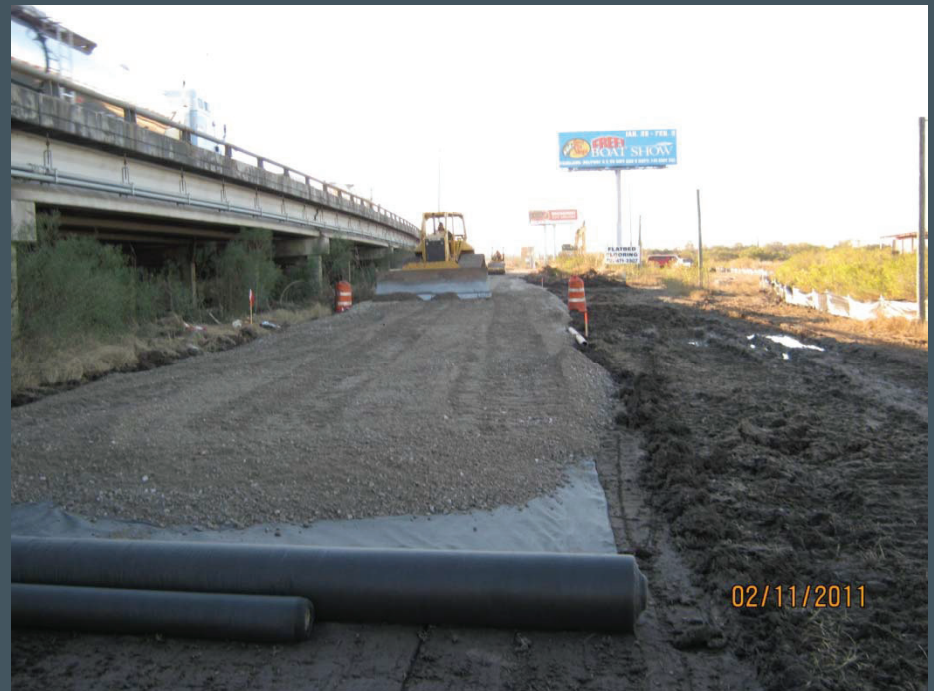


Access Road

Before



After



Materials Stockpiling

Delivery of Armor Cap D
Material

Managing Armor Cap D
Material



Administration Area

Office Trailer Delivery



Electrical Utilities Setup



Barge Mobilization

Installation of Bow Sections
on Transport Barge



Installation of Steel Rail on
Starboard Side of Barge



Armor Cap Placement

Placement of Armor Cap D
Material on Eastern Cell



Placement of Armor Cap D
Material on Eastern Cell



Proposed TCRA Project Schedule

- Estimated Access Road Completion
 - February 25, 2011
- Armor Cap Placement
 - Waterside placement began February 17, 2011
 - Landside preparation estimated to begin February 25, 2011
 - Landside placement estimated to begin April 4, 2011
- Estimated Construction Completion
 - September 1, 2011

Remedial Investigation/Feasibility Study

Milestones

- Completed and received approval on Sediment Sampling and Analysis Plan
 - Implemented sediment sampling and analysis plan
- Completed and received approval of RI/FS Work Plan
- Completed and received approval of Fate and Transport Modeling Work Plan
- Completed and received approval of Technical Memorandum on Bioaccumulation
 - Implemented tissue sampling and analysis plan

RI/FS (continued)

- Milestones (continued)
 - Completed and received approval of Groundwater Sampling and Analysis Work Plan
 - Implemented groundwater sampling and analysis work plan
 - Completed and received approval of Soil Sampling Work Plan
 - Implemented soil sampling and analysis work plan
- Draft Preliminary Site Characterization Report is due July 20, 2011
 - This report will include data and interpretations of data collected up to that time (e.g., sediment, soil, groundwater, tissue, hydrodynamic).

Future RI/FS Activities

- Exposure Assessment
- Toxicological and Epidemiological Studies
- Baseline Human Health Risk Assessment
- Baseline Ecological Risk Assessment
- Treatability Studies
- Remedial Investigation Report
- Remedial Alternatives Evaluation
- Feasibility Study